

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	(("4959586") or ("6137228")).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/24 17:28
L7	6378	(313/522,557,578,580.623,628,631, 271-281,292,315,316,331,333,341, 344,264).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/24 18:39
L8	1834	L7 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/08/24 18:39
L9	789	L8 and (spiral\$4 helix hexical\$4 coil\$3)	US-PGPUB; USPAT	OR	ON	2006/08/24 18:39
L10	61	L9 and (double near3 coil)	US-PGPUB; USPAT	OR	ON	2006/08/24 18:40
S1	1	("20050093420").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/24 13:36
S4	23	(("3626236") or ("3894227") or ("4254356") or ("4389201") or ("4498124") or ("4524302") or ("4580199") or ("4719545") or ("4727449") or ("4810932") or ("5088012") or ("5077645") or ("5138228") or ("5146134") or ("5239231") or ("5446336") or ("5896004") or ("5440457") or ("5896007") or ("5984490") or ("6133676") or ("6211616") or ("6367949")).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/24 14:07
S5	10	("1483449"   "3441774").PN. OR ("3626236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:04
S6	26	("2667595"   "2786882"   "2965698"   "3151922"   "3419947"   "3868528"   "4110657").PN. OR ("4254356").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:05
S7	18	("3105867"   "3515931"   "3548245"   "4110657"   "4254356"   "4851733").PN. OR ("5430353").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:07
S8	11	("3515930"   "4463277").PN. OR ("4524302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:09
S9	25	("3453476"   "4029985"   "4210841"   "4360756"   "4524302"   "4535269"   "4580199"   "4642514").PN. OR ("4754373").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:11
S10	7	("3453476").URPN.	USPAT	OR	ON	2006/03/18 09:13

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S11	25	("3453476"   "4029985"   "4210841"   "4360756"   "4524302"   "4535269"   "4580199"   "4642514").PN. OR ("4754373").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:14
S12	11	("3515930"   "4463277").PN. OR ("4524302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:36
S13	1	("3001096").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/18 09:36
S14	7	("3001096").URPN.	USPAT	OR	ON	2006/03/18 09:37
S15	14	("3001096"   "3001097"   "3274426"   "3448320"   "3868529"   "4442374").PN. OR ("4918355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:39
S16	610	(313/344,628).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/18 09:39
S17	13	S16 and (spur (cut near5 (filament electrode conductor)))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/18 09:40
S18	1	("5923122").URPN.	USPAT	OR	ON	2006/03/18 09:44
S19	3	("4283653"   "4316116"   "4686412").PN. OR ("6784605").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 09:45
S20	60906	("313").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/03/18 09:46
S21	14	S20 and (spur)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/03/18 10:11
S22	1	("6784605").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/18 10:12
S23	1	("4754373").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/18 10:12
S24	1	("3453476").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/24 13:47
S25	1	("20050093420").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/24 13:47
S26	62547	("313").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/08/24 13:53
S27	9309	("445").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/08/24 13:53
S28	67641	S26 S27	US-PGPUB; USPAT	OR	ON	2006/08/24 13:53

## EAST Search History

S29	30466	S28 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/08/24 14:31
S31	3404	S29 and ((cathode electrode anode conductor filament wir\$4 semiconduct\$4 semi\$conduct\$4) near5 (spiral\$4 helix hexical\$4 coil\$3))	US-PGPUB; USPAT	OR	ON	2006/08/24 14:08
S32	3	S31 and spur	US-PGPUB; USPAT	OR	ON	2006/08/24 13:57
S33	798	((cathode electrode anode conductor filament wir\$4 semiconduct\$4 semi\$conduct\$4) near5 (spiral\$4 helix hexical\$4 coil\$3)) and spur	US-PGPUB; USPAT	OR	ON	2006/08/24 14:00
S34	677	S33 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/08/24 13:59
S35	41	S34 and ((cathode electrode anode conductor filament wir\$4 semiconduct\$4 semi\$conduct\$4) near5 (spur))	US-PGPUB; USPAT	OR	ON	2006/08/24 14:00
S36	37	(313/9).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/24 14:07
S37	2187	S29 and ((conductor filament wir\$4) near5 (spiral\$4 helix hexical\$4 coil\$3))	US-PGPUB; USPAT	OR	ON	2006/08/24 14:14
S39	36	(313/617).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/24 14:24
S40	5	S39 and (spiral\$4 helix hexical\$4 coil\$3)	US-PGPUB; USPAT	OR	ON	2006/08/24 14:31
S41	6378	(313/522,557,578,580,623,628,631, 271-281,292,315,316,331,333,341, 344,264).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/24 14:31
S42	1834	S41 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/08/24 14:31
S43	789	S42 and (spiral\$4 helix hexical\$4 coil\$3)	US-PGPUB; USPAT	OR	ON	2006/08/24 14:31
S44	2	("3504218").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 14:35
S45	8	("2824995"   "3440473"   "3497752"   "3986067"   "4023060").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 14:53
S46	2	("4370589").URPN.	USPAT	OR	ON	2006/08/24 14:54
S47	5	("3403280"   "4243907"   "4553066"   "4568854").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 15:01

## EAST Search History

S48	7	("4812710").URPN.	USPAT	OR	ON	2006/08/24 15:04
S49	8	("2342044"   "2830217"   "3189778"   "3376460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/24 15:15
S50	4	("5140217").URPN.	USPAT	OR	ON	2006/08/24 15:17
S51	0	("5675218").URPN.	USPAT	OR	ON	2006/08/24 15:37
S52	0	("6429579").URPN.	USPAT	OR	ON	2006/08/24 15:52
S54	2	(("2830217") or ("3189778")).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/24 17:28